

## Basic Information

<b>Product Name</b>	Anti-PI3K p85 alpha/PIK3R1 Antibody (Clone#17P38)
<b>Gene Name</b>	PIK3R1
<b>Source</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	WB
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	A synthesized peptide derived from human PI3 Kinase p85 alpha
<b>Concentration</b>	500ug/ml
<b>Purification</b>	Affinity-chromatography
<b>Observed MW</b>	85 kDa
<b>Dilution Ratios</b>	Western blot (WB):1:500-2000

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

## Reference

Anti-PI3K p85 alpha/PIK3R1 Antibody (Clone#17P38)被引用在4文献中。

## Selected Validation Data

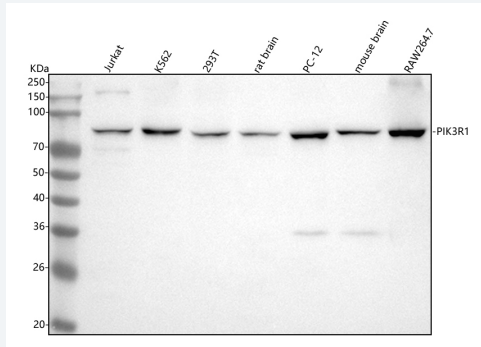


Figure 1. Western blot analysis of anti-PIK3R1 antibody (BM5187). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Jurkat whole cell lysates,

Lane 2: human K562 whole cell lysates,

Lane 3: human 293T whole cell lysates,

Lane 4: rat brain tissue lysates,

Lane 5: rat PC-12 whole cell lysates,

Lane 6: mouse brain tissue lysates,

Lane 7: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PIK3R1 antigen affinity purified monoclonal antibody (BM5187) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PIK3R1 at approximately 85 kDa. The expected band size for PIK3R1 is at 84 kDa.